### PATENT COOPERATION TREATY

# **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	as well :	see Form PCT/ISA/220 es, where applicable, Item 5 below.
20826/311945	ACTION		(Earliest) Priority Date (day/month/year)
International application No.	International filing date (day/month	vyear)	
PCT/US2004/038172	15/11/2004		17/11/2003
Applicant:			
MAGNA INTERNATIONAL INC.			
This International Search Report has been according to Article 18. A copy is being to	n prepared by this international Sea ansmitted to the international Burea	rching Auth	ority and is transmitted to the applicant
This International Search Report consists			
This international Search Report consus	a copy of each prior art document of		report,
Basis of the report     With regard to the language, the language in which it was filed, unlike the language.	international search was carried ou ess otherwise indicated under this i	on the bas	is of the international application in the
<del>-</del>	search was carried out on the basis		ation of the international application furnished to
b. With regard to any nucleo	otide and/or amino acid sequence	disclosed	in the international application, see Box No. I.
2. Certain claims were fou	nd unsearchable (See Box II).		
3. Unity of invention is lac	king (see Box III).		
4. With regard to the title,			
X the text is approved as su	bmitted by the applicant.		·
the text has been establis	hed by this Authority to read as followed	:awc	
5. With regard to the abstract,			
the text is approved as su			
the text has been establismay, within one month from	hed, according to Rule 38.2(b), by m the date of mailing of this interna-	his Authori tional sear	ity as it appears in Box No. IV. The applicant chileport, submit comments to this Authority.
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6. With regard to the drawings,	ublished with the abstract is Figure	No2_	
a. the figure of the drawings to be p		,	
,	s Authority, because the applicant	alled to sug	ggest a figure.
	s Authority, because this figure bet		
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Form PCT/ISA/210 (first sheet) (January 2004)

### INTERNATIONAL SEARCH REPORT

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

PCT/US2004/038172

Ä method	and	apparatus	for	hydroforming	a	metal	part	includes	placing	a	part	tó

A method and apparatus for hydroforming a metal part includes placing a part to be formed (510) within a die (512), closing the die to enclose the part to be formed, and introducing a high pressure fluid to an interior of the die for expanding the part against an interior surface of the die. The high pressure fluid has a pulse applied thereto for increasing a material flow of the part within the die.

Form PCT/ISA/210 (continuation of first sheet (3)) (January 2004)

# A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B21D26/02 B21D26/06

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) I PC 7 B21D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMI	NTS CONSIDERED TO BE RELEVANT	Delevie at the plate NE
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to daim No.
X	WO 99/41028 A (DAIMLERCHRYSLER AG; BIKERT, ARNDT; BOBBERT, STEFAN) 19 August 1999 (1999-08-19) page 3, paragraph 5 - page 6, paragraph 2; figures 1,2	:1-15
x	DE 100 19 912 A1 (FORSCHUNGSGESELLSCHAFT UMFORMTECHNIK MBH) 31 October 2001 (2001-10-31)	1-3,5-7, 9,11,15
Α	column 2, line 7 - column 3, line 24; figures 1,3	4,8,10, 12
X.	EP 0 985 465 A (KABUSHIKI KAISHA OPTON) 15 March 2000 (2000-03-15) column 8, line 51 - column 9, line 51; figures 1,6	1,2,5,6, 9,11,15
	-/	

Further documents are listed in the continuation of box C.	Parent family members are listed in annex.
Special categories of cited documents:  A' document defining the general state of the art which is not considered to be of particular relevance  E' earlier document but published on or after the international filing date  L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another claimlon or other special reason (as specified)  O' document referring to an oral disclosure, use; exhibition or other means  P' document published prior to the international filing date but later than the priority date claimed	<ul> <li>'T' later document published after the international filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the bivention</li> <li>'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to hybrid an inventive step when the document is taken alone</li> <li>'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combined with one or more other such documents, such combined with one or more other such documents, such combined with one or more other such documents is combined with one or more other such documents in the art.</li> <li>'&amp;' document member of the same patent tamily</li> </ul>
Date of the actual completion of the international search	Date of mailing of the International search report
7 March 2005	31/03/2005
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax. (+31-70) 340-3016	Rítiter, F

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C.(Continua	tion) DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Lieuzabiti io empititivo.
(	DE 38 40 939 A1 (KUHN, RAINER, DIPLING., 6690 ST WENDEL, DE) 7 June 1990 (1990-06-07) claims 1,4,5; figures 1,2,5	1,3,5,7, 9,15
(	DE 197 51 035 A1 (FORSCHUNGSGESELLSCHAFT UMFORMTECHNIK MBH, 70174 STUTTGART, DE; FORSCHU) 27 May 1999 (1999-05-27) column 1, line 66 - column 2, line 34; claims 1,4,7,8; figures 1-5	1-3,5-7, 9,11,15
·		

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9941028		19-08-1999	DE.	19805172 A1	19-08-1999
MO 32410FD	••		AT	220580 T	15-08-2002
			BR	9907797 A	17-10-2000
			CA	2320096 A1	19-08-1999
			DE	59902034 D1	22-08-2002
			WO	9941028 Al	19-08-1999
			E₽	1054744 Al	29-11-2000
			ES	2178874 T3	01-01-2003
			HU	0101218 A2	28-08-2001
			JP	2002502706 T	29-01-2002
			PL	342219 A1	21-05-2001
			US	6282934 B1	04-09-2001
DE 10019912	A1	31-10-2001	NONE		
EP 0985465	Α	15-03-2000	JP	3022506 B2	21-03-2000
Fi. 0202465	••		JP	2000084624 A	28-03-2000
			JP	2999757 B2	17-01-2000
			JΡ	2000084625 A	28-03-2000
			DE	69913057 D1	08-01-2004
			DÉ	69913057 T2	26-08-2004
			EP	0985465 A2	15-03-2000
			KŘ	2000023010 A	25-04-2000
		,	US	6128936 A	10-10-2000
DE 3840939	A1	07-06-1990	DE	3906958 A1	06-09-1990
DE 19751035	Aİ	27-05-1999	NONE		